

## CLAIMS

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Currently Amended) [The] A method of [Claim 4] producing a xanthan composition comprising a population of xanthan molecules having a range of molecular lengths wherein at least 5 % of the population has a length of at least 3 um as measured by atomic force microscopy.
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (Cancelled)
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34. (Cancelled)
35. (Cancelled)
36. (Cancelled)
37. (Cancelled)
38. (Cancelled)
39. (Original) A method of producing a xanthan polymer preparation having increased viscosity relative to that produced by a wild-type strain, comprising:  
Selectively increasing the amount of gene product of *gumB* and *gumC* but not of *orfX* and not of a gene selected from the group consisting of *gumD-gumG* in a *Xanthomonas campestris* culture, whereby a higher viscosity xanthan polymer preparation is produced by the culture.
40. (Original) The method of claim 39 wherein the step of selectively increasing is performed by introducing into the *Xanthomonas campestris* one or more additional copies of *gumB* or *gumC*.
41. (Original) The method of claim 39 wherein the step of selectively increasing is performed by introducing into the *Xanthomonas campestris* one or more additional copies of *gumB* and *gumC* but not *gumD-gumG*.
42. (Original) The method of claim 39 wherein the step of selectively increasing is performed by introducing into the *Xanthomonas campestris* one or more additional copies of *gumB* and *gumC* but not *orfX* and not *gumD-gumG*.
43. (Original) The method of claim 40 wherein the additional copies are on an extrachromosomal genetic element.

44. (Original) The method of claim 43 wherein the extrachromosomal genetic element is a plasmid.
45. (Original) The method of claim 44 wherein the plasmid is a broad host range plasmid.
46. (Original) The method of claim 39 wherein the additional copies are integrated in the genome of the *Xanthomonas campestris*.
47. (Original) The method of claim 39 wherein the step of selectively increasing is performed by inducing *gumB* and *gumC* expression using an inducible promoter and an inducing agent which increases expression from the inducible promoter.
48. (Original) The method of claim 39 further comprising the step of recovering the higher viscosity xanthan polymer from the preparation.
49. (Original) The method of claim 39 further comprising the step of precipitating xanthan polymer from the higher viscosity xanthan polymer preparation.
50. (Original) A method of producing a xanthan polymer preparation having increased viscosity relative to that produced by a wild-type strain, comprising:  
culturing a *Xanthomonas campestris* strain in a culture medium under conditions in which it produces a xanthan polymer, wherein the strain selectively produces more gene product of *gumB* and *gumC* but not of *orfX* and not of a gene selected from the group consisting of *gumD-gumG* relative to a wild-type strain.
51. (Original) The method of claim 50 wherein the strain has more than one copy of *gumB* and *gumC* per copy of *gumD*.
52. (Original) The method of claim 50 wherein the strain has more than one copy of *gumB* and *gumC* per copy of *gumD-gumG*.
53. (Original) The method of claim 50 wherein the strain has more than one copy of *gumB* and *gumC* per copy of a gene selected from the group consisting of *gumD-gumG*.
54. (Original) The method of claim 50 wherein the strain has more than one copy of *gumB* and *gumC* per copy of *orfX*.

- 55. (Original) The method of claim 50 wherein the strain has more than one copy of *gumB* and *gumC* per copy of *orfX* and of *gumD-gumG*.
- 56. (Original) The method of claim 50 wherein the strain carries one or more plasmids which in aggregate carry at least one copy of *gumB* and *gumC*.
- 57. (Original) The method of claim 50 further comprising the step of recovering a higher viscosity xanthan polymer from the culture medium.
- 58. (Original) The method of claim 50 further comprising the step of precipitating xanthan polymer from the culture medium.
- 59. (Cancelled)
- 60. (Cancelled)
- 61. (Cancelled)
- 62. (Cancelled)
- 63. (Cancelled)